

The objective of the invention is also achieved by provision of a self-diagnostic software that, when errors are discovered, lights the message display to reveal an error message but which otherwise leave the message display unlighted to hide the message display when there is no message to be displayed.

In accordance with another object of the invention, Braille code or other tactile-readable code is provided by embossments that are raised above the exterior surface of the panel and adjacent to, or directly atop, each of the switch locations. In the preferred embodiment, these embossments are given the same color as the contiguous portions of the panel to reduce their visibility so as not to patently, visually, mark the location of any switches that has not be selected to be revealed. In one embodiment, the embossments may be provided on a changeable tactile board so that only tactile codes are provided in association with the switches selected to be revealed or which are enabled for use.

## **BRIEF DESCRIPTION OF THE DRAWINGS**

The advantageous features of the invention will be described with reference to the several figures of the drawing, in which:

Fig. 1 is a functional block diagram of the preferred embodiment of the brewer of the present invention;

Fig. 2 is a front elevation view of an underlying control panel board of a control panel assembly constructed in accordance with the present invention and showing the hidden brewer function control switches and associated switch revealing back lights, and the message display unit, shown in functional block form in Fig. 1;

Fig. 3A is a sectional side view of one of the hidden switch assemblies taken along section line IIIA-III B of Fig.2;

Fig. 3B is a plan view of the hidden switch assembly of Fig. 3A;

Fig. 3C is an end view of the hidden switch assembly of Fig. 3A;

Fig. 3D is a perspective view showing the underside of hidden switch assembly with the switch actuator installed of the hidden switch assembly of Figs. 3A-3C;

Fig. 4A is another perspective view but showing the assembly with the translucent switch actuator shown in Figs. 3A-3C removed;